

ABSTRACT OF THE DISCLOSURE

For carrying out a heterogeneously catalyzed reaction; such as the generation of hydrogen from hydrocarbons or alcohol, a reaction mixture comprising a hydrocarbon and water is supplied to a catalyst, which is produced by pressing at least one catalyst powder into a layer. Instead of a metallic housing, stacked layers are sealed by an edge seal, introduced into the layer or applied on the layer.

005460-09829500